

WORLD
RESOURCES
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Welcome to

Webinar #6: Design Elements in Federal Cap-and-Trade Proposals

Moderator: Judi Greenwald, Pew Center on Global Climate Change

Speakers:

David McIntosh, Counsel and legislative assistant for energy and the environment, for Senator Joseph Lieberman

Lorie Schmidt, Counsel, Energy and Commerce Committee, US House of Representatives

January 22, 2008

11:30 am - 1:00 pm PST

12:30 pm - 2:00 pm MST

1:30 pm - 3:00 pm CST

2:30 pm - 4:00 pm EST

Climate Change Legislation in the U.S. House

Lorie Schmidt
Counsel

Committee on Energy and Commerce
U.S. House of Representatives
January 22, 2008



What a Difference an Election Makes

- LAST CONGRESS IN E&C
- 2 Hearings in E&C on the “Hockey Stick” study
- THIS CONGRESS IN E&C, Last Year
- 17 Hearings, 100 witnesses, including former VP Gore
- Sent “Dingellgram” on Climate, Received 80 Responses
- Energy Bill
 - CAFÉ
 - Efficiency Standards
 - GHG Reduction Requirement for Renewable Transportation Fuels
- Appropriations
 - GHG Registry



This Year in E&C

- Comprehensive Climate Change Legislation
 - White Papers
 - Hearings
 - Legislating

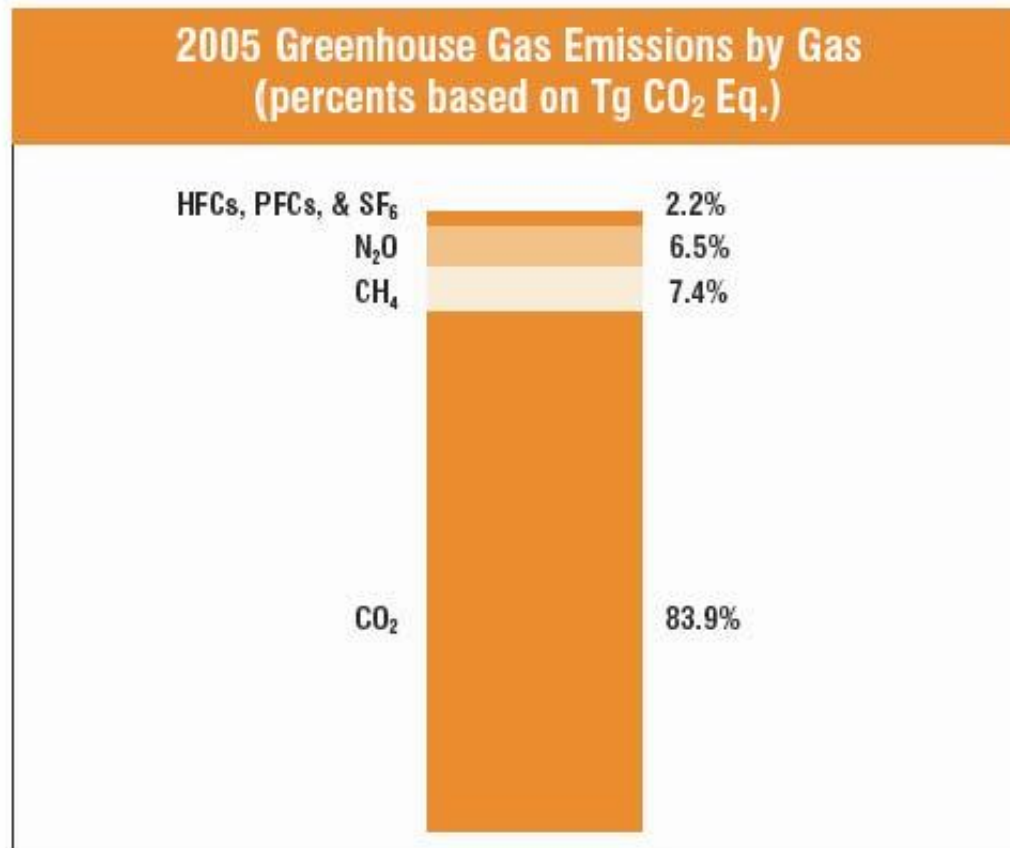


Basics of Comprehensive Climate Change Legislation

- Reduce GHG Emissions 60-80% by 2050
- Mandatory, Economy-Wide Program
 - Cornerstone – Cap and Trade Program
 - Other Measures (Taxes, R&D Funding, Performance Standards, Etc.)
- Fair Program -- Maximum Reductions at the Lowest Cost and Least Economic Disruption



Figure 1 U.S. Greenhouse Gas Emissions (2005)



- Total U.S. greenhouse gas emissions = 7,260 Million Metric Tons CO₂ Equivalent in 2005

Source: Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2005 (EPA, 2007)

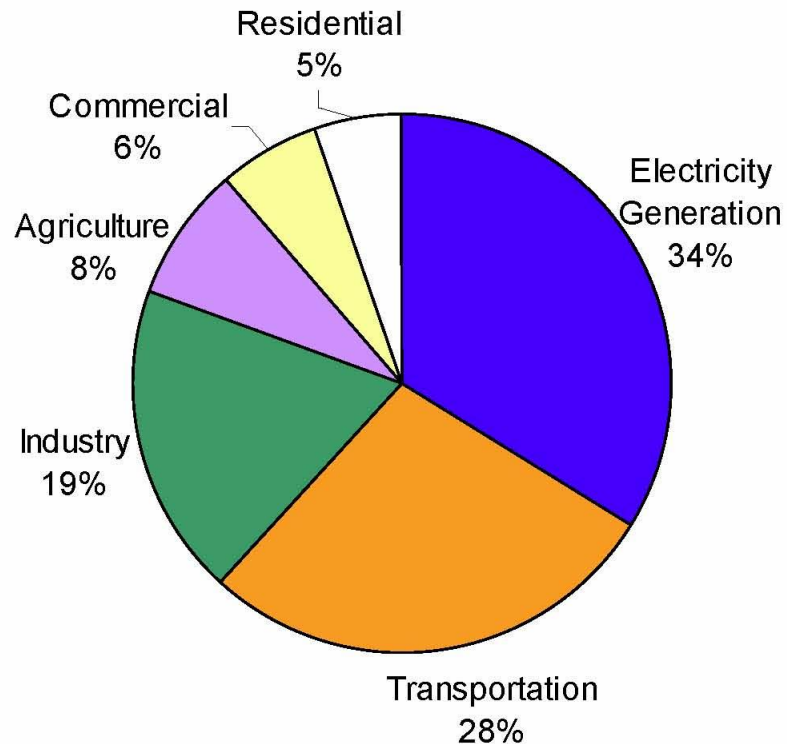
Figure 2

Direct U.S. Greenhouse Gas Emissions by Economic Sector (2005)

Sector/Source	2005 Emissions (MMTCO ₂ eq)
Electricity Generation	2,429.8
Transportation	2,008.9
Industry	1,352.8
Agriculture	595.4
Commercial	431.4
Residential	380.7
Total*	7,199.0

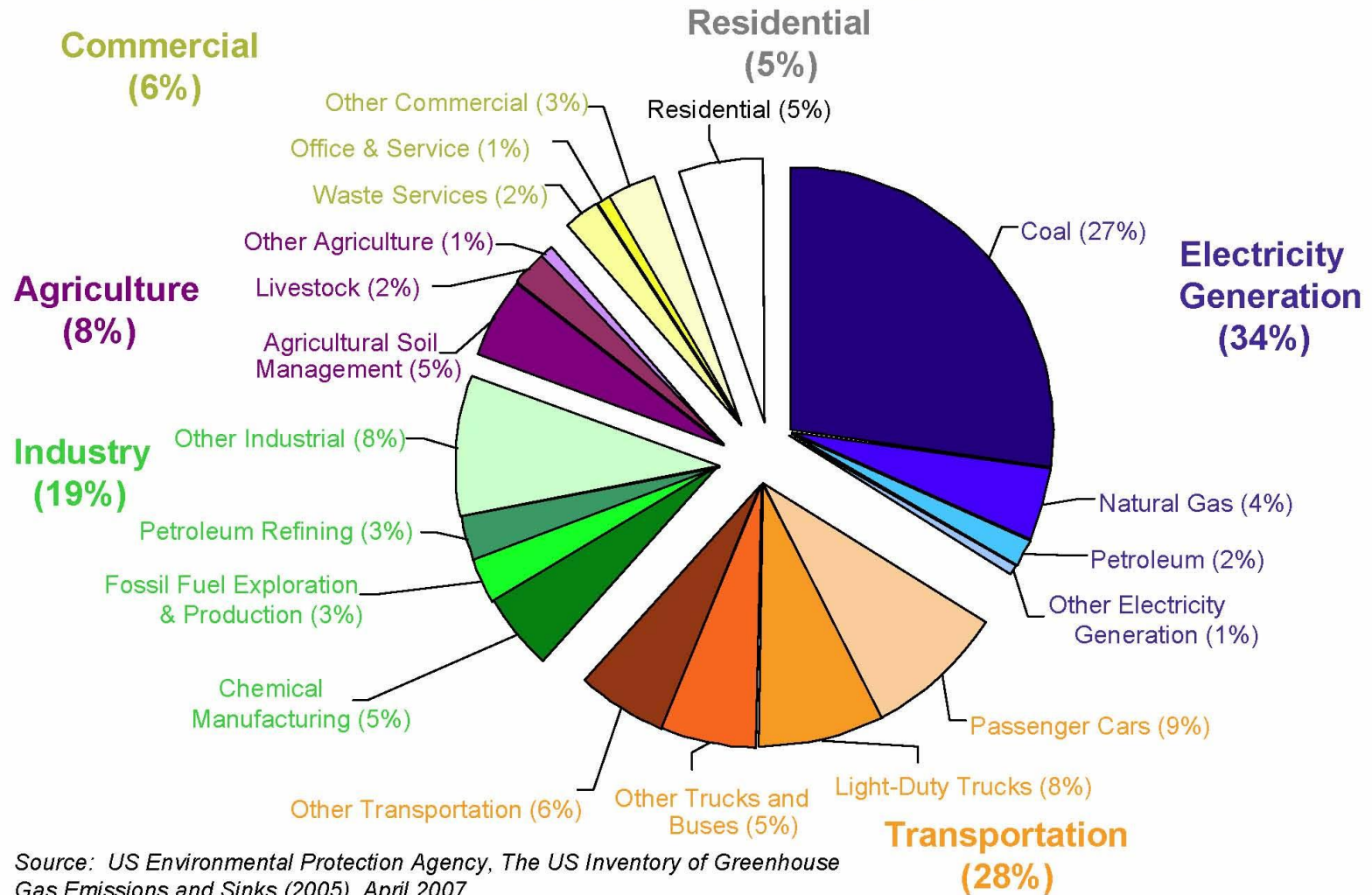
*excludes US Territories and emission sinks

MMTCO₂eq = Million Metric Tons Carbon Dioxide Equivalents



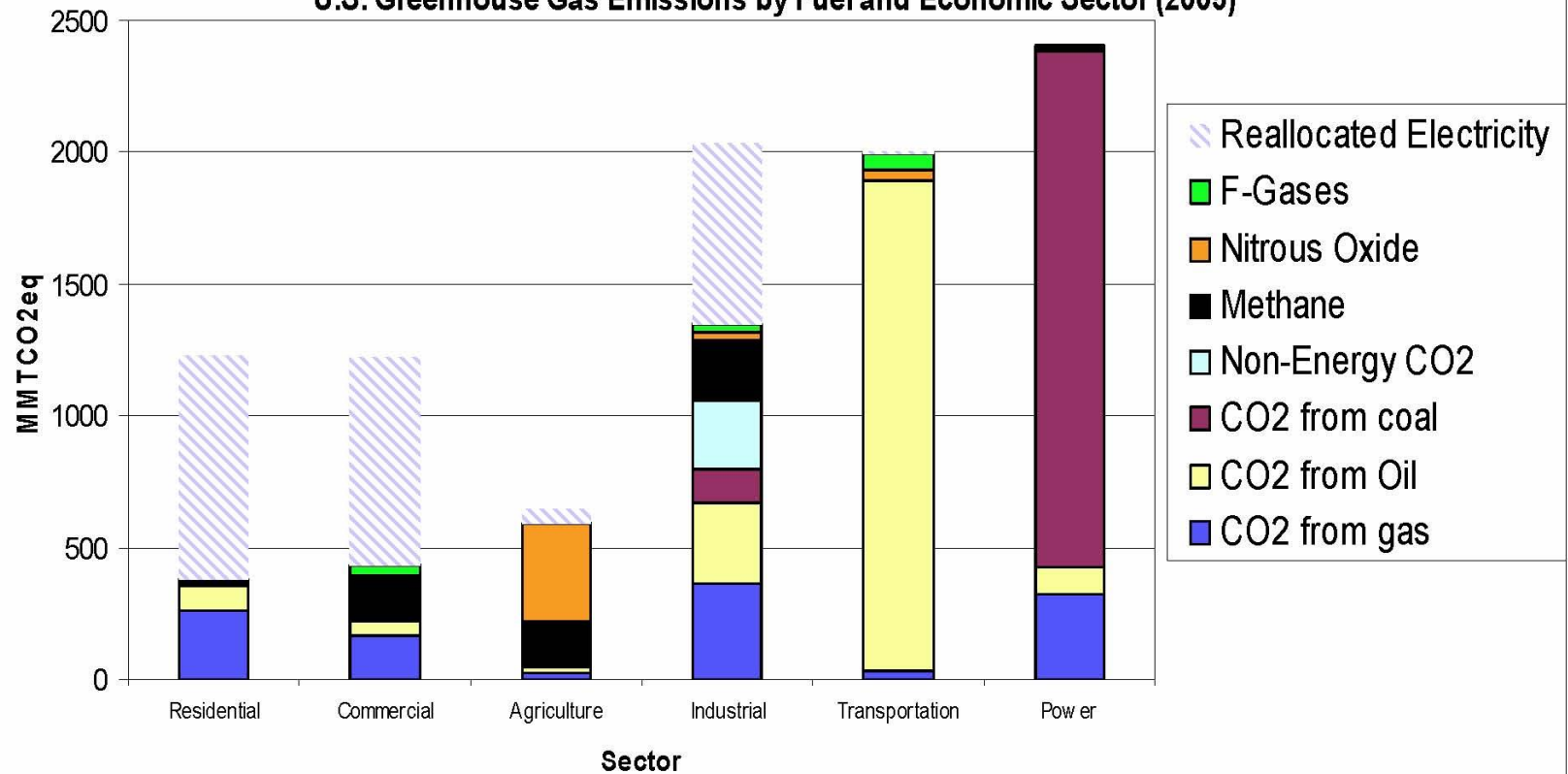
Source: US Environmental Protection Agency, *The US Inventory of Greenhouse Gas Emissions and Sinks (2005)*, April 2007

Figure 3
Key Sources of Direct U.S. Greenhouse Gas Emissions
by Economic Sector (2005)



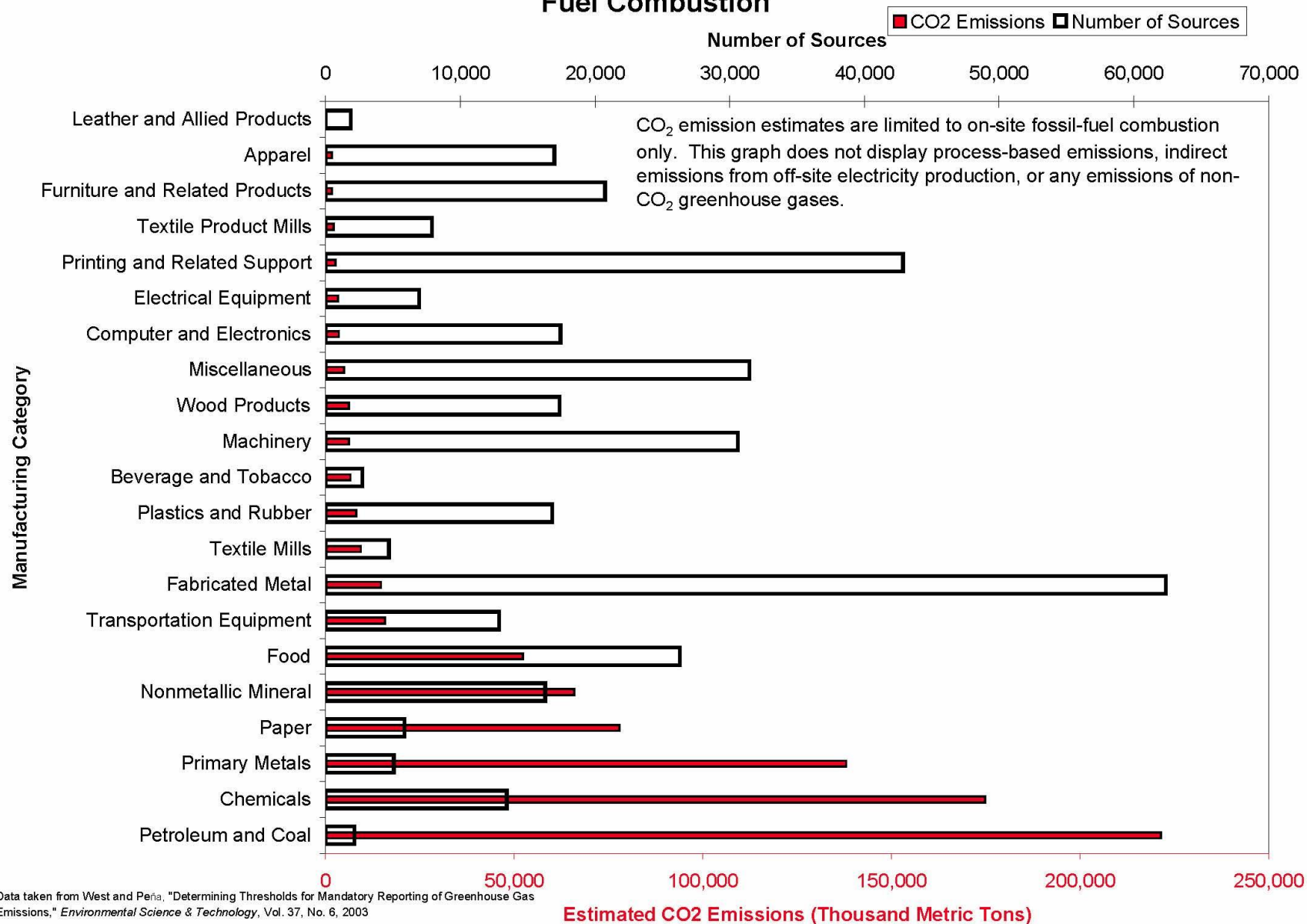
Source: US Environmental Protection Agency, *The US Inventory of Greenhouse Gas Emissions and Sinks (2005)*, April 2007

Figure 4
U.S. Greenhouse Gas Emissions by Fuel and Economic Sector (2005)



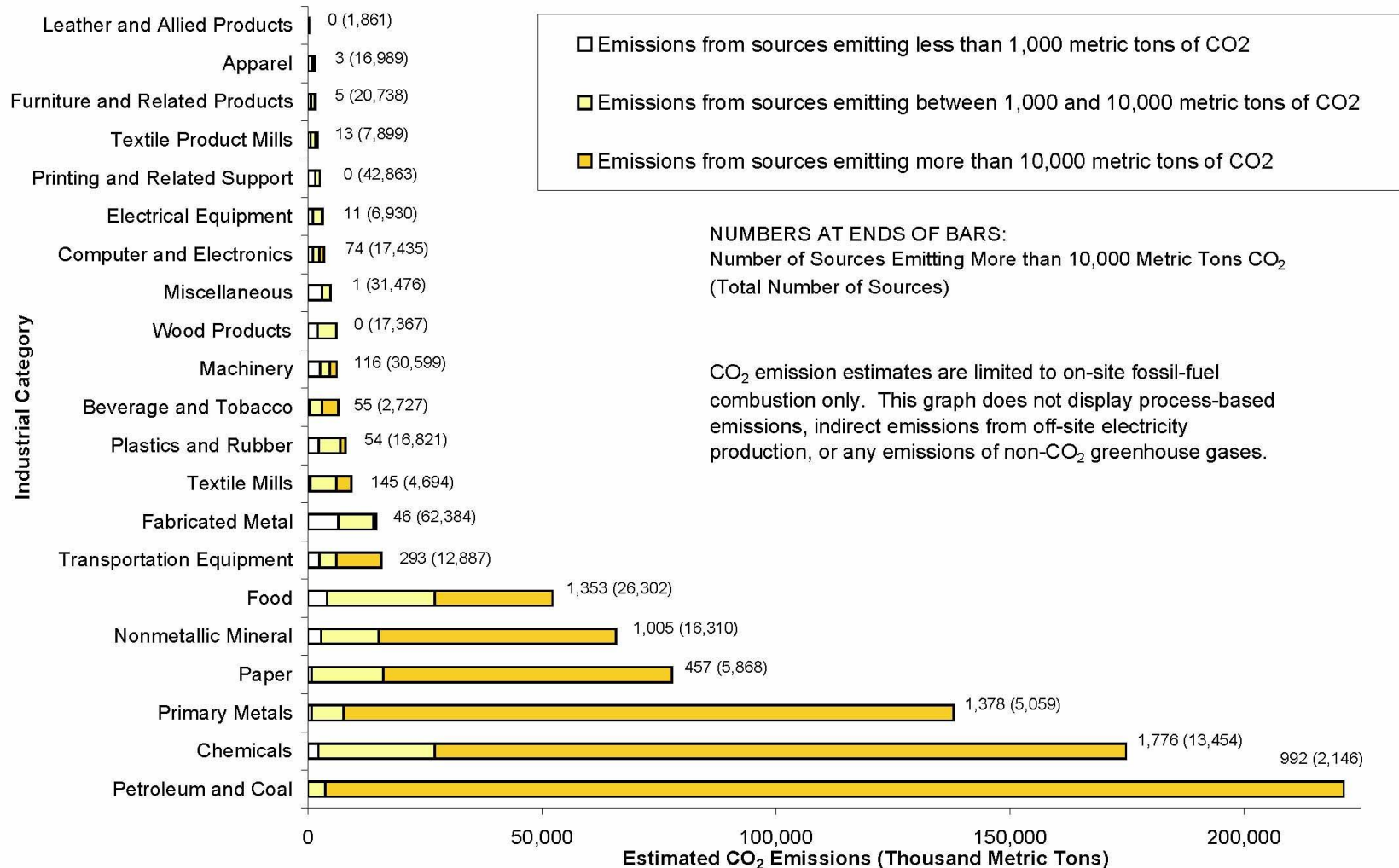
Source: US Environmental Protection Agency, *The US Inventory of Greenhouse Gas Emissions and Sinks* (2005), April 2007

Figure 6: Number of Manufacturing Facilities and CO₂ Emissions from Fossil Fuel Combustion



Data taken from West and Peña, "Determining Thresholds for Mandatory Reporting of Greenhouse Gas Emissions," *Environmental Science & Technology*, Vol. 37, No. 6, 2003

Figure 7: Large Emitters of CO₂ from Fossil Fuel Combustion in Each Manufacturing Industry



Other White Papers/Issues

- Controlling Costs
- Engaging Developing Countries
- Offsets/Credits
- Appropriate Roles for Federal, State, Local and Tribal Governments
- Distributing Allowances
- Geologic Carbon Sequestration

